

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/089412 A3

(51) International Patent Classification:
A61K 36/87 (2006.01)

(21) International Application Number:
PCT/US2005/008839

(22) International Filing Date: 17 March 2005 (17.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/560,736 17 March 2004 (17.03.2004) US
10/804,264 18 March 2004 (18.03.2004) US
10/804,268 18 March 2004 (18.03.2004) US
10/815,414 31 March 2004 (31.03.2004) US
10/816,769 1 April 2004 (01.04.2004) US
11/019,491 21 December 2004 (21.12.2004) US

(71) Applicant and

(72) Inventor: TAKEMOTO, Arnold, C. [US/US]; 13398
East Sorrel Lane, Scottsdale, AZ 85259 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): McWHERTER,
Joseph, Francis [US/US]; 3028 Rolling Wood Lane,
Keller, TX 76180 (US).

(74) Agents: EINHORN, Gregory, P. et al.; Morrison & Fo-
erster LLP, 12531 High Bluff Drive, Suite 100, San Diego,
CA 92130-2040 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
24 August 2006

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: TISSUE DETOXIFICATION AND HEALTH SUPPLEMENTS AND METHODS OF MAKING AND USING THEM

(57) Abstract: Novel preparations of phytochemical ingredients that are serviceable as health supplements for the body, particularly tissues susceptible to cancer, including, e.g. prostate tissue and breast tissue and, including, e.g., female breast tissue; for example, all possible combinations and permutations of member from each of the following 6 groups: (1) plant indoles, including sources of plant indoles, such as diindolemethane (DIM); (2) plant flavanoids, polyphenols, stilbenes and related substances, including sources of plant flavonoids, polyphenols, stilbenes, and related substances (e.g. resveratrol and piceatannol); (3) D-glucaric acid and derivatives thereof (e.g. calcium D-glucarate and 1,4-GL) and sources thereof; (4) medium chain triglycerides and sources thereof; (5) phospholipids and sources thereof (e.g. lecithin), and (6) vitamins (especially vitamin B9 molecules).

WO 2005/089412 A3